

RAW SEQUENCE LISTING

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Application Serial Number: 10/235,256
Source: IFW
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/735,256

DATE: 11/08/2004

TIME: 16:12:35

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Output Set: N:\CRF4\11082004\J735256.raw

3 <110> APPLICANT: STRITTMATTER, STEPHEN M.
4 CATE, RICHARD L.
5 SAH, DINAH W.Y.
7 <120> TITLE OF INVENTION: NOGO RECEPTOR HOMOLOGS
9 <130> FILE REFERENCE: A116 CON
11 <140> CURRENT APPLICATION NUMBER: 10/735,256
12 <141> CURRENT FILING DATE: 2003-12-12
14 <150> PRIOR APPLICATION NUMBER: 09/972,546
15 <151> PRIOR FILING DATE: 2001-10-06
17 <150> PRIOR APPLICATION NUMBER: 60/238,361
18 <151> PRIOR FILING DATE: 2000-10-06
20 <160> NUMBER OF SEQ ID NOS: 19
22 <170> SOFTWARE: PatentIn Ver. 2.1
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25 <211> LENGTH: 1260
26 <212> TYPE: DNA
27 <213> ORGANISM: Homo sapiens
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32 ccgcccaccg tgagctgcca ggccaacaac ttctcctctg tgccgctgtc cctgccaccc 180
33 agcactcagc gactcttctt gcagaacaac ctcatccgca cgctgcggcc aggcaccttt 240
34 ggggtccaacc tgctcaccct gtggtctctt tccaacaacc tctccaccat ctaccggggc 300
35 actttccgcc acttgcaagc cctggaggag ctggacctcg gtgacaaccg gcacctgcgc 360
36 tcgctggagc ccgacacctt ccaggcgctg gagcggctgc agtcgctgca tttgtaccgc 420
37 tgccagctca gcagcctgcc cggcaacatc ttccgaggcc tggtcagcct gcagtacctc 480
38 tacctccagg agaacagcct gctccacctc caggatgact tgttcgcgga cctggccaac 540
39 ctgagccacc tcttctctca cgggaaccgc ctgcggctgc tcacagagca cgtgtttcgc 600
40 ggccctgggca gcctggaccg gctgctgctg cacgggaacc ggctgcaggc cgtgcaccgc 660
41 gcggccttcc gcggcctcag ccgcctcacc atcctctacc tgttcaacaa cagcctggcc 720
42 tcgctgcccg gcgaggcgct cgcgcacctg ccctcgctcg agttcctgcg gctcaacgct 780
43 aacccttggg cgtgcgactg ccgcgcgcgg ccgctctggg cctggttcca gcgcgcgcgc 840
44 gtgtccagct ccgacgtgac ctgcgccacc ccccgaggc gccaggggcc agacctgcgc 900
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46 cgcgcccgcg gcaacagctc ctccaaccac ctgtacgggg tggccgaggc cggggcgccc 1020
47 ccagccgatc cctccacctt ctaccgagat ctgcctgcgc aagactcgcg ggggcgccag 1080
48 ggcggggagc cgcctactga ggacgactac tgggggggct acgggggtga ggaccagcga 1140
49 ggggagcaga tgtgccccgc cgctgcctgc caggcgcccc cggactcccc aggccctgcg 1200
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54 <211> LENGTH: 420
55 <212> TYPE: PRT
56 <213> ORGANISM: Homo sapiens

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63           20           25           30
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66           35           40           45
68 Asn Asn Phe Ser Ser Val Pro Leu Ser Leu Pro Pro Ser Thr Gln Arg
69           50           55           60
71 Leu Phe Leu Gln Asn Asn Leu Ile Arg Thr Leu Arg Pro Gly Thr Phe
72   65           70           75           80
74 Gly Ser Asn Leu Leu Thr Leu Trp Leu Phe Ser Asn Asn Leu Ser Thr
75           85           90           95
77 Ile Tyr Pro Gly Thr Phe Arg His Leu Gln Ala Leu Glu Glu Leu Asp
78           100          105          110
80 Leu Gly Asp Asn Arg His Leu Arg Ser Leu Glu Pro Asp Thr Phe Gln
81           115          120          125
83 Gly Leu Glu Arg Leu Gln Ser Leu His Leu Tyr Arg Cys Gln Leu Ser
84           130          135          140
86 Ser Leu Pro Gly Asn Ile Phe Arg Gly Leu Val Ser Leu Gln Tyr Leu
87 145           150           155           160
89 Tyr Leu Gln Glu Asn Ser Leu Leu His Leu Gln Asp Asp Leu Phe Ala
90           165           170           175
92 Asp Leu Ala Asn Leu Ser His Leu Phe Leu His Gly Asn Arg Leu Arg
93           180          185          190
95 Leu Leu Thr Glu His Val Phe Arg Gly Leu Gly Ser Leu Asp Arg Leu
96           195          200          205
98 Leu Leu His Gly Asn Arg Leu Gln Gly Val His Arg Ala Ala Phe Arg
99           210          215          220
101 Gly Leu Ser Arg Leu Thr Ile Leu Tyr Leu Phe Asn Asn Ser Leu Ala
102 225          230          235          240
104 Ser Leu Pro Gly Glu Ala Leu Ala Asp Leu Pro Ser Leu Glu Phe Leu
105           245          250          255
107 Arg Leu Asn Ala Asn Pro Trp Ala Cys Asp Cys Arg Ala Arg Pro Leu
108           260          265          270
110 Trp Ala Trp Phe Gln Arg Ala Arg Val Ser Ser Ser Asp Val Thr Cys
111           275          280          285
113 Ala Thr Pro Pro Glu Arg Gln Gly Arg Asp Leu Arg Ala Leu Arg Glu
114           290          295          300
116 Ala Asp Phe Gln Ala Cys Pro Pro Ala Ala Pro Thr Arg Pro Gly Ser
117 305          310          315          320
119 Arg Ala Arg Gly Asn Ser Ser Ser Asn His Leu Tyr Gly Val Ala Glu
120           325          330          335
122 Ala Gly Ala Pro Pro Ala Asp Pro Ser Thr Leu Tyr Arg Asp Leu Pro
123           340          345          350
125 Ala Glu Asp Ser Arg Gly Arg Gln Gly Gly Asp Ala Pro Thr Glu Asp
126           355          360          365
128 Asp Tyr Trp Gly Gly Tyr Gly Gly Glu Asp Gln Arg Gly Glu Gln Met
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134 Leu Ser Ala Gly Leu Pro Ser Pro Leu Leu Cys Leu Leu Leu Leu Val
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149 tgtcctcgag actgtgtgtg ctacctgctg cccatgactg tcagctgcca ggcacacaac 180
150 tttgctgcca tcccggaggg catcccagag gacagtgage gcatcttctt gcagaacaat 240
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152 tccaacaaca tcactttcat tgctcccaac accttcgagg gctttgtgca tctggaggag 360
153 ctagaccttg gagacaaccg acagctgcga acgctggcac ccgagacctt ccaaggcctg 420
154 gtgaagcttc acgccctcta cctctataag tgtggactga gcgccctgcc cgcaggcatc 480
155 tttggtggcc tgcacagcct gcagtatctc tacttgcagg acaacctat cgagtacctc 540
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157 ctatggagcc tgggccaagg catcttccgg ggcttgggtga acctggaccg gttgctgctg 660
158 catgagaacc agctacagtg gggttcaccac aaggctttcc atgacctcca caggctaacc 720
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161 tccctgtggg aatggctgcg aagggttccg ggctctagct ctgctgtccc ctgcgcgacc 900
162 cccgagctgc ggcaaggcca ggatctgaag ctgctgaggg tggaggactt ccggaactgc 960
163 acaggaccag tgtctcctca ccagatcaag tctcacacgc ttaccacctc tgacagggct 1020
164 gcccgaagg agcaccatcc gtcccattgg gcctccaggg acaaaggcca cccacatggc 1080
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183                      20                      25                      30
185 Gly Glu Leu Pro Leu Gly Gly Gly Cys Pro Arg Asp Cys Val Cys Tyr
186                      35                      40                      45
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189                      50                      55                      60
191 Pro Glu Gly Ile Pro Glu Asp Ser Glu Arg Ile Phe Leu Gln Asn Asn

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194 Arg Ile Thr Phe Leu Gln Gln Gly His Phe Ser Pro Ala Met Val Thr
195          85          90          95
197 Leu Trp Ile Tyr Ser Asn Asn Ile Thr Phe Ile Ala Pro Asn Thr Phe
198          100          105          110
200 Glu Gly Phe Val His Leu Glu Glu Leu Asp Leu Gly Asp Asn Arg Gln
201          115          120          125
203 Leu Arg Thr Leu Ala Pro Glu Thr Phe Gln Gly Leu Val Lys Leu His
204          130          135          140
206 Ala Leu Tyr Leu Tyr Lys Cys Gly Leu Ser Ala Leu Pro Ala Gly Ile
207 145          150          155          160
209 Phe Gly Gly Leu His Ser Leu Gln Tyr Leu Tyr Leu Gln Asp Asn His
210          165          170          175
212 Ile Glu Tyr Leu Gln Asp Asp Ile Phe Val Asp Leu Val Asn Leu Ser
213          180          185          190
215 His Leu Phe Leu His Gly Asn Lys Leu Trp Ser Leu Gly Gln Gly Ile
216          195          200          205
218 Phe Arg Gly Leu Val Asn Leu Asp Arg Leu Leu Leu His Glu Asn Gln
219          210          215          220
221 Leu Gln Trp Val His His Lys Ala Phe His Asp Leu His Arg Leu Thr
222 225          230          235          240
224 Thr Leu Phe Leu Phe Asn Asn Ser Leu Thr Glu Leu Gln Gly Asp Cys
225          245          250          255
227 Leu Ala Pro Leu Val Ala Leu Glu Phe Leu Arg Leu Asn Gly Asn Ala
228          260          265          270
230 Trp Asp Cys Gly Cys Arg Ala Arg Ser Leu Trp Glu Trp Leu Arg Arg
231          275          280          285
233 Phe Arg Gly Ser Ser Ser Ala Val Pro Cys Ala Thr Pro Glu Leu Arg
234          290          295          300
236 Gln Gly Gln Asp Leu Lys Leu Leu Arg Val Glu Asp Phe Arg Asn Cys
237 305          310          315          320
239 Thr Gly Pro Val Ser Pro His Gln Ile Lys Ser His Thr Leu Thr Thr
240          325          330          335
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243          340          345          350
245 Arg Asp Lys Gly His Pro His Gly His Pro Pro Gly Ser Arg Ser Gly
246          355          360          365
248 Tyr Lys Lys Ala Gly Lys Asn Cys Thr Ser His Arg Asn Arg Asn Gln
249          370          375          380
251 Ile Ser Lys Val Ser Ser Gly Lys Glu Leu Thr Glu Leu Gln Asp Tyr
252 385          390          395          400
254 Ala Pro Asp Tyr Gln His Lys Phe Ser Phe Asp Ile Met Pro Thr Ala
255          405          410          415
257 Arg Pro Lys Arg Lys Gly Lys Cys Ala Arg Arg Thr Pro Ile Arg Ala
258          420          425          430
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261          435          440          445
263 Leu Leu Ala Trp Ile Leu Gly Leu Ala Val Thr Leu Arg
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Input Set : A:\A116CON.txt

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269 <212> TYPE: PRT
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277           20           25           30
279 Cys Tyr Asn Glu Pro Lys Val Thr Thr Ser Cys Pro Gln Gln Gly Leu
280           35           40           45
282 Gln Ala Val Pro Val Gly Ile Pro Ala Ala Ser Gln Arg Ile Phe Leu
283           50           55           60
285 His Gly Asn Arg Ile Ser His Val Pro Ala Ala Ser Phe Arg Ala Cys
286   65           70           75           80
288 Arg Asn Leu Thr Ile Leu Trp Leu His Ser Asn Val Leu Ala Arg Ile
289           85           90           95
291 Asp Ala Ala Ala Phe Thr Gly Leu Ala Leu Leu Glu Gln Leu Asp Leu
292           100          105          110
294 Ser Asp Asn Ala Gln Leu Arg Ser Val Asp Pro Ala Thr Phe His Gly
295           115          120          125
297 Leu Gly Arg Leu His Thr Leu His Leu Asp Arg Cys Gly Leu Gln Glu
298           130          135          140
300 Leu Gly Pro Gly Leu Phe Arg Gly Leu Ala Ala Leu Gln Tyr Leu Tyr
301   145          150          155          160
303 Leu Gln Asp Asn Ala Leu Gln Ala Leu Pro Asp Asp Thr Phe Arg Asp
304           165          170          175
306 Leu Gly Asn Leu Thr His Leu Phe Leu His Gly Asn Arg Ile Ser Ser
307           180          185          190
309 Val Pro Glu Arg Ala Phe Arg Gly Leu His Ser Leu Asp Arg Leu Leu
310           195          200          205
312 Leu His Gln Asn Arg Val Ala His Val His Pro His Ala Phe Arg Asp
313           210          215          220
315 Leu Gly Arg Leu Met Thr Leu Tyr Leu Phe Ala Asn Asn Leu Ser Ala
316   225          230          235          240
318 Leu Pro Thr Glu Ala Leu Ala Pro Leu Arg Ala Leu Gln Tyr Leu Arg
319           245          250          255
321 Leu Asn Asp Asn Pro Trp Val Cys Asp Cys Arg Ala Arg Pro Leu Trp
322           260          265          270
324 Ala Trp Leu Gln Lys Phe Arg Gly Ser Ser Ser Glu Val Pro Cys Ser
325           275          280          285
327 Leu Pro Gln Arg Leu Ala Gly Arg Asp Leu Lys Arg Leu Ala Ala Asn
328           290          295          300
330 Asp Leu Gln Gly Cys Ala Val Ala Thr Gly Pro Tyr His Pro Ile Trp
331   305          310          315          320
333 Thr Gly Arg Ala Thr Asp Glu Glu Pro Leu Gly Leu Pro Lys Cys Cys
334           325          330          335
336 Gln Pro Asp Ala Ala Asp Lys Ala Ser Val Leu Glu Pro Gly Arg Pro
337           340          345          350

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Input Set : A:\A116CON.txt

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Please Note:

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Seq#:16; N Pos. 153281,153282,153283,153284,153285,153286,153287,153288
Seq#:16; N Pos. 153289,153290,153291,153292,153293,153294,153295,153296
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Seq#:16; N Pos. 153313,153314,153315,153316,153317,153318,153319,153320
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Seq#:16; N Pos. 164719,164720,164721,164722,164723,164724,164725,164726
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Seq#:16; N Pos. 164735,164736,164737,164738,164739,164740,164741,164742
Seq#:16; N Pos. 164743,164744,164745,164746,164747,164748,164749,164750
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Seq#:16; N Pos. 164775,164776,164777,164778,164779,164780,164781,164782
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Seq#:18; Xaa Pos. 3,4,6,9,10,12,13,15,18,19,20,21,22,23,24,25,27,28,29,31
Seq#:18; Xaa Pos. 32,33,34,36,39,40,42,44,45,46,47,48,49,50,52,53,54,55,56
Seq#:18; Xaa Pos. 57,58,59,62,63,66,67,68,69,71,72,73,74,76,77,78,79,80,83
Seq#:18; Xaa Pos. 87,90,91,93,94,95,96,98,101,104,105,107,108,110,112,113
Seq#:18; Xaa Pos. 115,117,118,120,121,122,123,125,128,129,137,139,140,141
Seq#:18; Xaa Pos. 142,144,146,147,149,152,155,163,164,165,166,167,168,169
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Seq#:18; Xaa Pos. 225,227,228,233,235,237,239,242,244,247,249,250,251,252
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Seq#:18; Xaa Pos. 277,278,280,281,282
Seq#:19; Xaa Pos. 2,4,6,11,14,16,17,18,19,21,25,27,29,30,32,33,34,35,36,37
Seq#:19; Xaa Pos. 40,41,43,44,45,47,48,49

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L:769 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:772 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:16
L:775 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:32
L:778 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:48
L:781 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:64
L:784 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:80
L:787 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:96
L:790 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:112
L:793 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:128
L:796 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:144
L:799 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:160
L:802 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:176
L:805 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:192
L:808 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:208
L:811 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:224
L:814 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:240
L:817 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:256
L:820 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:272
L:823 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:288
L:826 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:304
L:829 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:320
L:832 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:336
L:835 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:352
L:838 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:368
L:841 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:384
L:844 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:400
L:847 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:416
L:850 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:432
L:1081 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:1172 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:1175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:16
L:1178 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:32
L:1181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:48
L:1430 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:1433 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:16
L:1436 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:32
L:1439 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:48
L:1442 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:64
L:1445 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:80
L:1448 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:96
L:1451 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:112
L:1454 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:128
L:1457 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:144
L:1460 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:160
L:1463 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:176
L:1466 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:192
L:1691 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:2040
L:1692 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:2100

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L:1767 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:6600
L:1768 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:6660
L:1769 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:6720
L:1892 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:14100
L:1893 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:14160
L:1894 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:14220
L:1982 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:19500
L:1983 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:19560
L:2033 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:22560
L:2034 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:22620
L:2035 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:22680
L:2120 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:27780
L:2121 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:27840
L:2122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:27900
L:2239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:34920
L:2240 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:34980
L:2241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:35040
L:2336 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:40740
L:2337 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:40800
L:2338 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:40860
L:2473 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:48960
L:2474 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:49020
L:2475 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:49080
L:2705 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:62880
L:2706 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:62940
L:2915 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:75480
L:2916 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:75540
L:2917 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:75600
L:3122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:87900
L:3123 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:87960
L:3124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:88020
L:3507 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:111000
L:3508 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:111060
L:3509 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:111120
L:4405 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:960
L:4406 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:1020
L:4407 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:1080
L:4424 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:2100
L:4425 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:2160
L:4426 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:2220
L:4451 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:3720
L:4452 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:3780
L:4475 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:5160
L:4476 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:5220
L:4513 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:7440
L:4514 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:7500
L:4515 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:7560
L:4536 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:8820
L:4537 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:8880

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L:4538 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:8940
L:4561 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:10320
L:4562 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:10380
L:4563 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:10440
L:4593 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:12240
L:4594 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:12300
L:4595 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:12360
L:4612 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:13380
L:4613 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:13440
L:4614 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:13500
L:4654 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:15900
L:4655 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:15960
L:4656 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:16020
L:4692 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:18180
L:4693 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:18240
L:4694 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:18300
L:4738 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:20940
L:4739 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:21000
L:4740 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:21060
L:4795 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:24360
L:4796 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:24420
L:4797 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:24480
L:4848 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:27540
L:4849 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:27600
L:4850 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:27660
L:4903 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:30840
L:4904 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:30900
L:4905 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:30960
L:4963 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:34440
L:4964 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:34500
L:5025 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:38160
L:5026 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:38220
L:5027 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:38280
L:5095 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:42360
L:5096 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:42420
L:5135 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:44760
L:5136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:44820
L:5137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:44880
L:5245 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:51360
L:5246 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:51420
L:5334 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:56700
L:5335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:56760
L:5336 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:56820
L:5435 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:62760
L:5436 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:62820
L:5437 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:62880
L:5530 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:68460
L:5531 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:68520
L:5532 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:68580

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L:5631 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:74520
L:5632 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:74580
L:5633 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:74640
L:5746 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:81420
L:5747 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:81480
L:5748 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:81540
L:5864 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:88500
L:5865 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:88560
L:5952 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:93780
L:5998 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:96540
L:5999 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:96600
L:6000 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:96660
L:6001 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:96720
L:6002 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:96780
L:6129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:104400
L:6130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:104460
L:6131 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:104520
L:6297 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:114480
L:6298 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:114540
L:6299 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:114600
L:6506 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:127020
L:6507 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:127080
L:6508 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:127140
L:6707 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:139080
L:6708 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:139140
L:6709 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:139200
L:6906 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:151020
L:6943 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:153240
L:6944 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:153300
L:7134 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:164700
L:7135 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:164760
L:7426 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:182220
L:7427 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:182280
L:7428 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:182340
L:7591 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:192120
L:7592 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:192180
L:7703 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:198840
L:7704 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:198900
L:7712 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:199380
L:7860 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:208260
L:7988 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:215940
L:8453 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:8456 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:16
L:8459 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:32
L:8462 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:48
L:8465 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:64
L:8468 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:80
L:8471 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:96
L:8474 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:112

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/735,256

DATE: 11/08/2004

TIME: 16:12:36

Input Set : A:\A116CON.txt

Output Set: N:\CRF4\11082004\J735256.raw

L:8477 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:128
L:8480 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:144
L:8483 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:160
L:8486 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:176
L:8489 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:192
L:8492 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:208
L:8495 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:224
L:8498 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:240
L:8501 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:256
L:8504 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:272
L:8587 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:8590 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:16
L:8593 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:32
L:8596 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:48